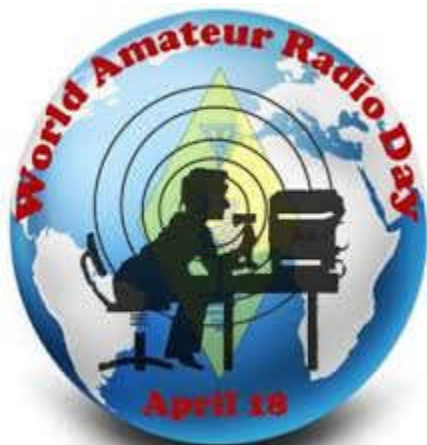


**Friday April 17, 2020
MEETING CANCELLED !**

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APRIL 17 AUCTION MEETING IS CANCELLED !



The Board promised our members that we would keep you informed about the Club's future meetings as we learned more about our ability to "gather." Currently, pursuant to the California governor's [Executive Order N-33-20](#) and its requirement for citizens to shelter-in-place, it has become very evident that MDARC should not hold any face-to-face meetings where we are in harm's way by either catching or spreading the COVID-19 virus. That being said, all such face-to-face meetings have been cancelled until the rescinding or lessening of the gubernatorial executive order. In which case the membership will be notified via multiple methods that such meetings can resume. Be on the alert for notification on this webpage, club email, club Facebook page, and W6CX repeater announcements.

The Board will continue to conduct virtual Board meetings using the Zoom video conferencing software and prior to the next Board Meeting on April 6, 2020, the membership will receive instructions for use via our Groups.io email list. Members who so choose can participate in the audio only option and not have to install a webcam.

As is prudent and common sense, please continue to observe all the health recommendations to prevent the spread of this virus, not only to yourself, but to your family and friends as well.

Larry Bradley, KK6QPE, President



Sandy Bressler, KN6DUT
David Zachry, N6GNR

If you hear either of these new members on the air, please welcome them to our club.

— *Roger Hooten, W6UZ*



When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:

<https://smile.amazon.com/ch/23-7072059>

ALL MEMBERS ARE INVITED TO JOIN THE CLUB E-MAIL GROUP.

SHARE INFORMATION WITH THE MEMBERSHIP AT:

<https://groups.io/g/MDARC>

(the Yahoo group was abolished)

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Larry Bradley, KK6QPE
Vice President - Ed Morales, KJ6KYT
Secretary – Larry Loomer, KI6LNB
Treasurer - Cathi Walton, K2CJW
Emergency Coordinator - Ron Bunch, W4FEK

Directors At Large

Trevor Hall, WA6JAU Dave Piersall, N6ORB
Roger Hooten, W6UZ Mike Warren, W6MEW

Membership Chair – Roger Hooten, W6UZ
mdarcmembership@mdarc.org

PACIFICON 2020

Chair: Julie Mah, WJ8MAE
Registration: Debbie Deeble, KN6DOM
Treasurer: Jim Siemons, W6LK
Secretary: Cathi Walton, K2CJW

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - Jim Siemons, W6LK
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Mike Patterson, N6JGA
Education & Training - John Primus, AF6RJ
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Public Service - Klaus Berkner, K6KHB
Radio Equipment Lending Library - Dave Piersall, N6ORB
Refreshments - Elizabeth Styles, KG6HLV
Repeater Trustee W6LGW - Dick Brown, KT6X
Repeater Trustee W6CX - Jim Tittle, K6SOE
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Siemons, W6LK

***The Carrier* Newsletter**

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President's Message

April 2020

MDARC Family,

Yep, I am still living on coastal Oregon with my dad and brother, and will likely be here until the COVID-19 virus situation improves. Fortunately this is a small town with a population of less than 3000 and Lincoln county has had very few reported cases, less than 5 I believe. Even so, we are adhering to the similar shelter-in-place requirements as most of you are experiencing in California. Those of you in California, especially Contra Costa and Alameda Counties have my sympathies.

If you are like me, you have amateur radio projects that you've been putting off doing. I did bring my portable VHF/UHF rig and set it up one time on a picnic table in a local park. Of course, that was before Oregon closed all state parks....at least the parking areas. Anyway, I connected to a local repeater that is part of the linked repeaters for Peak Radio Association. It has also been the repeaters that I listen to on my mobile rig.

<https://www.w7pra.com/>

My other "toy" for which I've not had much success....likely from operator ignorance..... is using my Elecraft KX2 QRP rig with the AX1 antenna. This has been and will continue to be a learning opportunity, but I wish that I'd brought some long line antennas for it.

Sheltering in place does not have to be "vegetate in place" and is an opportunity to educate ourselves on aspects of amateur radio that we never seemed to have time to do. For example, I am reading two books: Electronics for Dummies by Cathleen Shamieh and The Fast Track to Understanding Ham Radio Propagation by Michael Burnette, AF7KB. Some of you may recall the Burnettes' Fast Track Series at our last two Pacificons.

Do you have a Technician Class or a General Class License? Now is a good opportunity to consider self-studying for an upgrading your license. Sure, MDARC offers great courses to help you move up the "license ladder," but self-studying is still a great way to learn and achieve that goal.

Last month I introduced the Discussion Leaders for our planned General Class Licensing Course, but alas, as you would expect, that course has been postponed with a hopeful

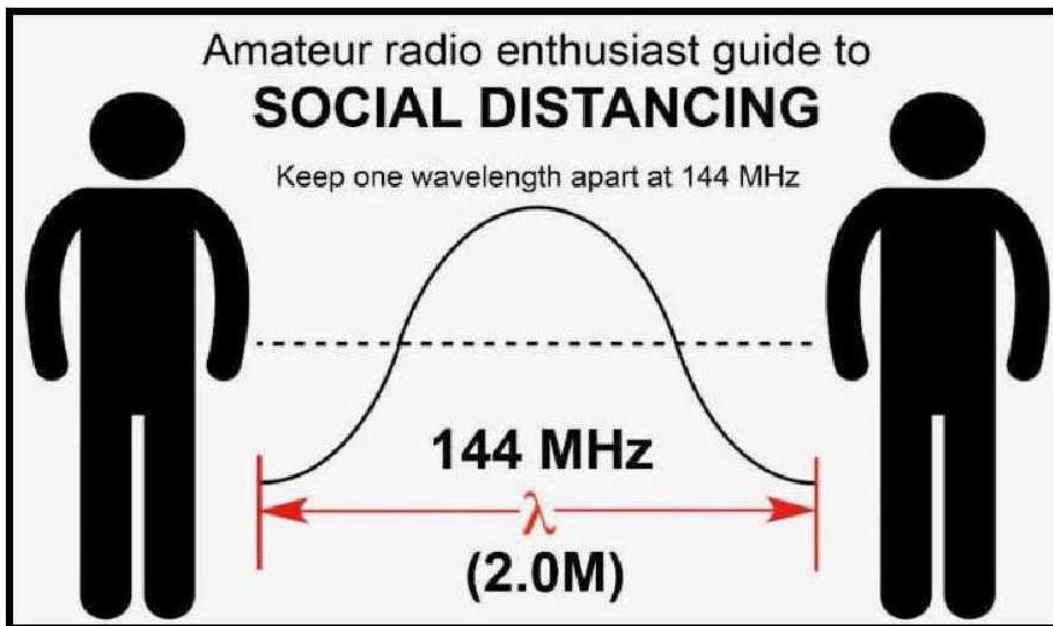
commencement on 08/04/20. So stay tuned. And the Extra Amateur Course? Well, it has been moved to August, 2021.

The Board met on the 6th by using Zoom Video Conferencing software. We had 15 participants and maybe more. Zoom's basic plan is free and I encourage you to download because we plan to use this, not just for Board and Committee meetings, but for our General Membership Meetings as well. Again stay tuned.

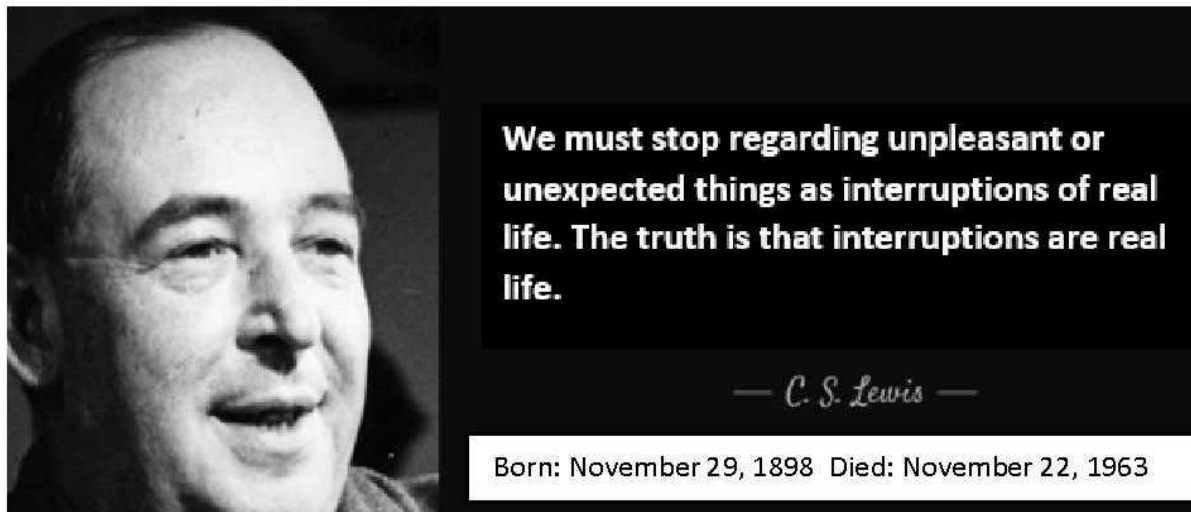
Are you using the email reflector group on MDARC@groups.io ? If not, I want to encourage you to do so because this is one of the major ways that the Board and others can communicate with all of our members. Check out the link below to see how easy it is to do this.

<http://www.mdarc.org/about-us/communicating-with-you#groups>

I recently received this from a fellow ham that was originally sent by Steve Fischer, K6ETA and thought it quite appropriate for our current situation.



C.S. Lewis



"The greatest motivational act one person can do for another is to listen." Roy E. Moody

Stay safe,

73

Larry Bradley KK6QPE

04/07/2020

CHANGES TO THE General and Extra Class License Training Classes!

1. The General Class has been moved to tentatively start Tuesday August 4th 2020.
2. The Extra Class will be re-scheduled for August 2021.

The Mt. Diablo Amateur Radio Club's Ham Radio Class Schedule and Registration are now available online <http://www.mdarc.org/activities/education/Classes>

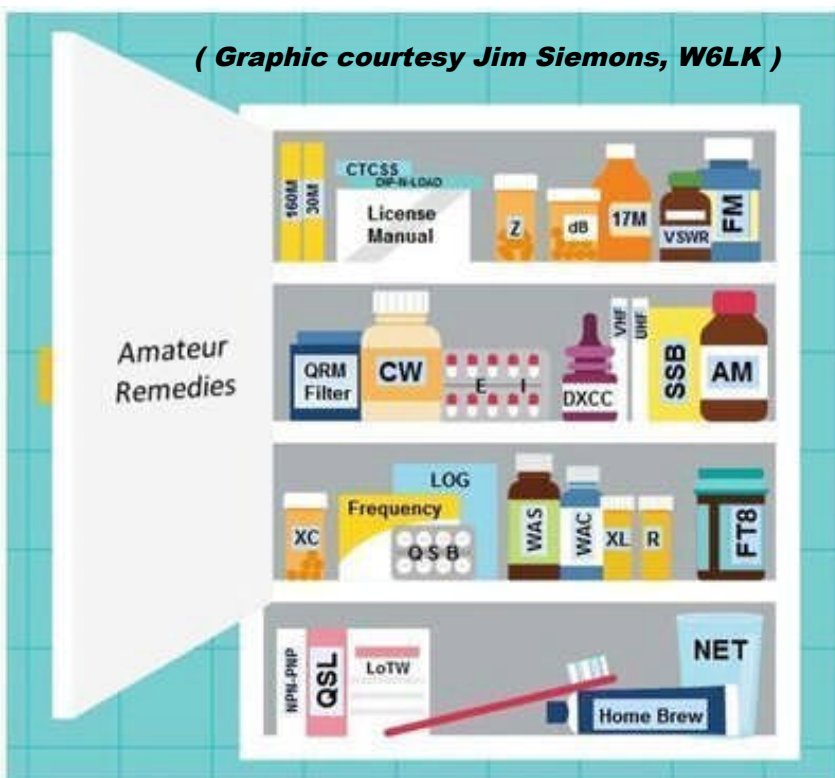


(Fox News photo)

U.S. Surgeon General Dr. Jerome Adams, Vice Admiral, U.S. Public Health Service

“The public, along with the state and the federal government, have the power to change the trajectory of this epidemic. I want Americans to understand that, as hard as this week is going to be, there is a light at the end of the tunnel if everyone does their part for the next 30 days. We've got to all do our part.”

(Graphic courtesy Jim Siemons, W6LK)



MDARC BOARD OF DIRECTORS MEETING

Black Bear Diner, Walnut Creek, CA March 2, 2020

Attendees: Larry Bradley KK6QPE via Skype, Ed Morales KJ6KYT, Larry Loomer KI6LNB, Cathi Walton K2CJW, Ron Bunch W4FEK, David Piersall N6ORB, Mike Warren W6MEW, John Primus AF6RJ, Mike Patterson N6JGA, Trevor Hall WA6JAU, Roger Hooten W6UZ, Marilyn Warren W6MEW-YL, Cal Vasquez K6VT, Ruth Miller KE6VOO, Jim Siemons W6LK, Misa Siemons KJ6BUE.

7:00 PM: The meeting was called to order by Vice President Ed Morales. Introductions were made around the tables. Minutes of the last board meeting were approved. The Vice President passed out the agenda. The agenda was reviewed and approved.

President: No report.

Vice President: No report.

Secretary: No report.

Treasurer: Cathi Walton K2CJW, reported that the additions to the budget report for February 2020 were routine expenses. The changes to the figures on the budget sheet were discussed. We have \$60K+ in the checking/savings account, and \$56K+ in the equipment self-insurance fund.

Emergency Communications Coordinator: He decided to keep the SATERN name on the Monday night net on the W6CX Repeater.

Directors at Large: No reports.

Education: MDARC was asked to vacate the Trinity Lutheran Church by May 30, 2020, because the church has been sold. Technician class license testing will be on 3/05/20. General class enrollment is 15. Extra class enrollment is 19.

Pacificon: The meetings will be at Julie's house on the second Wednesday. The 2020 Pacificon color is purple.

Digital Media: He is focusing on the Pacificon website, which will be launched in early April.

Outreach: Not present.

Technical: All repeaters are operating. There has been no down time on D-Star this past month.

Auction: Promote the auction to all of your family and friends. A little bit of gear has been collected for this year's auction.

Vehicle: The board members should review the vehicle documents and send any comments to Jim Tittle by the end of March.

Trailer: Solar exterior lighting has been installed on the trailer.

Field Day: An application to use the Concord Community Park has been sent to the Concord Parks Department.

License Testing: No report

Public Service: Not present.

Membership: Four members from the Technician class have signed up for membership in MDARC.

Scholarship: The scholarship application for the ARRL scholarship was discussed by the board. The word "communications" should be changed to "telecommunications". The age requirement should be listed separately from the licensing requirement. Electrical engineering should be added as a field of study. This document will be presented at the next board meeting for approval.

(continued on following page)

8:08 Radio Equipment Lending Library: This committee presented the document to be used for the loaning of the radio equipment. Ed Morales, KJ6KYT, will add a liability paragraph to the document, to be presented at the next board meeting.

Unfinished Business:

1. MDARC 2020 Budget Preparation: The Board has approved the final budget
2. Written Comm Van Policy: Covered earlier in the meeting.
3. Learning Tables - The club will continue the Public Service Table. Standard signs will be made for each table. The Programming Table programmed four HTs and reprogrammed one radio at the February Membership Meeting. For programming at the GOTA class, Mike W6MEW, and Rich K6REL, will send a message to the GOTA class members, informing them of programming availability on 3/12 and 3/19. Learning tables "New Ham" and "Programming" will be combined. "Beginning HF" table is a startup table to be brought out after the GOTA-HF class. A table on Elmer Night will test radios using a service monitor. This will go along with the Vice President's plans for an Elmer session at the July meeting with 4 - 5 tables. An Echolink table was suggested as a future additional table.
4. Membership Polling Questions - The Vice President will put the polling results into a memo.
5. Radio Lending Library: Covered earlier.
6. Scholarship Document: Covered earlier.
7. License Supplemental Books Library: Brian Lotter KM6NGS, is handling this library. A policy statement is required for this activity, and will be added to the Education Team policies. The study manuals for the Tech class were donated at Pacificon by the Burnett family couple. Brian will locate the books that were lent to the Tech class students.

New Business

Jim Siemons W6LK, will help Mike W6MEW, and Ed KJ6KYT, with the judging at the Science and Engineering Fair at Los Medanos College on Friday, March 13. ED KJ6KYT, will make the award presentation on Saturday, March 14.

8:13 PM: The meeting was adjourned.

Respectfully submitted, Larry Loomer, KI6LNB, MDARC Secretary



**The Mount Diablo
navigation beacon will be
lit each Sunday night
beginning April 12, 2020
until the COVID-19
pandemic is over.**

*Above information and photo courtesy Save Mount Diablo,
Sons and Daughters of Pearl Harbor Survivors (Chapter 5),
and the California State Parks*

18 APRIL

WORLD AMATEUR RADIO DAY

اليوم العالمي لراديو الهواة

Día Mundial del Radioaficionado

Всемирный День радиолюбителя

世界业余无线电日

Journée mondiale de la radio amateur

Celebrating Amateur Radio's Contribution to Society



WWW.IARU.ORG/WORLD-AMATEUR-RADIO-DAY



HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM



IC-7600 | All Mode Transceiver

- 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15kHz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope



IC-7200 | HF Transceiver

- 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control



IC-7100 | All Mode Transceiver

- HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



ID-5100A | VHF/UHF Dual Band Digital Transceiver

- Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | VHF/UHF Dual Band Transceiver

- 5/2.5/1.0/0.5/0.1W Output • RX: 0.52-1.71, 88-174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible



KENWOOD



TS-590SG | HF/50MHz Transceiver

- Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function



TM-D710G | 2M/440 Dualband

- V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions



TM-V71A | 2M/440 DualBand

- High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch



TM-281A | 2 Mtr Mobile

- 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | 2M/220/440

- Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery



YAESU
The radio



FT-991 | HF/50MHz/2M/440 Transceiver

- 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filters: 3kHz & 15kHz • 32-bit high speed floating point IF DSP



FTDX1200 | 100W HF + 6M Transceiver

- Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display



FT-450D | A100W HF + 6M Transceiver

- 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift



FTM-400DR | 2M/440 Mobile

- Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 b/d ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | 2M/440 5W HT

- Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan



5 Ways to Shop!

- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 9:30AM - 5:30PM
- FAX - All store locations
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

ANAHEIM, CA
(800) 854-6046

OAKLAND, CA
(877) 892-1745

BURBANK, CA
(877) 892-1748

SAN DIEGO, CA
(877) 520-9623

NEW CASTLE, DE
(800) 644-4476

PORTLAND, OR
(800) 765-4267

DENVER, CO
(800) 444-9476

PHOENIX, AZ
(800) 559-7388

ATLANTA, GA
(800) 444-7927

WOODBIDGE, VA
(800) 444-4799

SALEM, NH
(800) 444-0047

PLANO, TX
(877) 455-8750

ONLINE STORE
WWW.HAMRADIO.COM

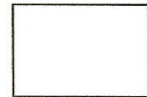
New Store!

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.



The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523
www.mdarc.org



**THIS MONTH'S
AUCTION MEETING
IS CANCELLED !!**

FIRST CLASS

<https://www.facebook.com/mdarc.org>

W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.781-
441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

FM 147.060 MHz + / PL 100Hz -

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

<https://www.broadcastify.com/listen/feed/25334>

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

ATV Internet Stream: <http://w6cxatv.mdarc.org/>

Contra Costa County Emergency Communications Nets

Every Thursday

<http://www.coco-races.org/meetings/nets/>

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

April 2020 and May 2020 Club Calendar

Friday April 17, 2020

Saturday May 2, 2020

Monday May 4, 2020

Friday May 15, 2020

AUCTION AND MEETING CANCELLED !!

MDARC Technical Committee Meeting - **VIA VIDEO CONFERENCE**

MDARC Board of Directors Meeting - **VIA VIDEO CONFERENCE**

MDARC General Meeting - **TO BE DETERMINED**